

Re-roofing for the last time



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Re-roofing for the Last Time

SOMETHING over ten years ago, a Johns-Manville representative was consulted regarding a big re-roofing job. The wooden shingles covering a large building had reached a point where immediate renewal was essential.

Even in those days the job was a costly one, and the owners of the building were naturally anxious to find not only the most economical way of doing the work, but the most permanent.



A Johns-Manville representative was called in for consultation on a big re-roofing job



The Johns-Manville representative looked the job over carefully. Then he made a revolutionary suggestion.

"Why not apply our Asbestos Shingles right over those old wooden shingles?"

"What!" exclaimed the owners in one voice, "without tearing the old shingles off?"

"Certainly," was the reply. "What's the use of going to all that work and expense? Tearing off old shingles is not only costly but it is dirty, it musses up your lawns and shrubbery. It fills your whole building, especially the upper

rooms, with dust, dirt and litter, and if you have a little spell of bad weather it means further expense to keep out the rain or damage done by water to the plaster and furnishings in the upper rooms."

The first objection was: "We never heard of such a thing."

That was true, they never had. It was a brand new idea and therefore under suspicion, but it looked plausible and it certainly looked attractive.

"Just think," continued the Johns-Manville representative, "you lay our Asbestos Shingles right over your old wooden shingles and you are through with the roof for as long as the building lasts."

"How about those extra bad places where old wooden shingles have actually dropped out?"

"It is easy enough to slip in new wooden shingles here and there; certainly much easier and cheaper than tearing them all off."

That seemed plausible. "But hold on," said somebody else, "these shingles are nailed on 1" x 2" furring strips 5 1/2" on centers. You cannot expect to hit these furring strips every time."

"No," said the Johns-Manville man, "you might miss the furring strips on an average of every six or seven rows of shingles, but do you realize that even where you do miss them you would be driving every nail through $\frac{3}{4}$ " of thickness of wooden shingles and the shingles and the nails are so tied into the construction after the next row of shingles is laid that there is absolutely no danger of the Asbestos Shingles dropping out. With the storm nail of the Hexagonal method giving us three points of fastening, the shingles, if you decided on this method, would be even more secure."

Well that sounded reasonable too. Then the Johns-Manville salesman advanced the argument that clinched the matter.

"Just think of the insulating value of these old wooden shingles; it would be a sin to tear them off and throw them away. If you lay our Asbestos Shingles over them, the upper rooms will be cooler in summer and warmer in the winter, because, as you doubtless realize, dry wood is a splendid insulator."

One more question remained to be disposed of. "Will the roof framing

carry the extra load?" somebody asked. But that was easy.

"Why," was the reply, "thoroughly soaked wooden shingles probably weigh almost as much as Asbestos Shingles and those wooden shingles up there have been getting thoroughly soaked with rain for the last ten years. Cover them with Johns-Manville Asbestos Shingles and they will always remain dry. But even if a covering of Johns-Manville Asbestos Shingles does mean a little heavier roof load, you can always brace the rafters so that there won't be the slightest doubt of their carrying the shingles easily."

Well, they put the roof on. That was something over ten years ago. We thought it was a good thing at the time but we also thought it would be



And after 10 years the roof is as good as new.

a better thing after the passage of years had demonstrated that it was a practical thing.

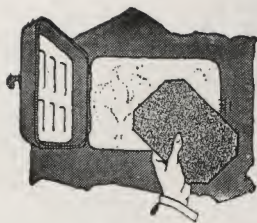
And its practicality has been demonstrated beyond all question. That covering of Johns-Manville Asbestos Shingles over old wooden shingles put on over ten years ago is still in apparently as good condition as the day after the job was finished. The roof has never given a particle of trouble. Not a shingle has fallen off. Rain, wind, snow, ice and hail have tried to do their worst but have succeeded in doing just exactly nothing. Some parts of the roof are steep pitched; some are not so steep, but all parts are in perfect condition and apparently there is no reason why they should not be in an equally perfect condition one hundred years hence.

For there is nothing in Johns-Manville Asbestos Shingles to rot or disintegrate. They are virtually as

Bury a Johns-Manville Asbestos Shingle and dig it up in six or sixty years and it will be just the same.



Throw a Johns-Manville
Asbestos Shingle into the
furnace and you can take
it out unharmed.



everlasting as the stones in the field, formed, as they are, of asbestos fibres and Portland cement united under great hydraulic pressure. They are naturally impervious to all those agents of destruction and decay which affect roofing of organic material. They never need painting or refinishing of any sort and experience shows that they call for the very minimum up-keep expense.

What this means to the House Owner

Within the last few years, profiting by the example of the Garden City Hotel, hundreds of people have had old wooden shingle roofs recovered with Johns-Manville Asbestos Shingles. We have yet to know of a

Try to bend a Johns-Manville Asbestos Shingle; it is tough and yet does not have the extreme rigidity of slate or tile.



job that is not entirely satisfactory in every respect. The expense, considering the permanence of the work, is exceedingly small. The job can be easily done by any good carpenter or slater with less dirt and litter than almost any other sort of roofing job. In addition, it leaves the home or building owner with a sense of deep satisfaction when he remembers that henceforth he may practically forget about his roof.

How about your roof? Are the shingles getting old? Occasionally, as you walk about, do you find pieces of wood shingles that have dropped out and fallen to the ground? In heavy rains and high winds do you see evidences of water having blown back between shingles dripping down, discoloring the plaster or wall paper? All these are signs that your roof needs attention. It is no economy to delay,



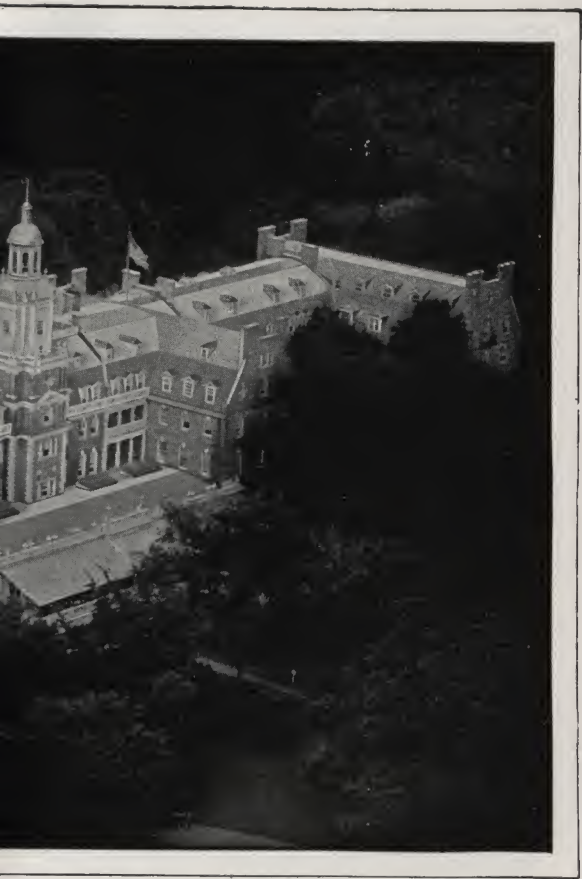
Johns-Manville Asbestos Shingles (American Method) applied directly over the old wooden shingles; not only a beautiful roof, but a fire-safe roof and one that should last as long as the house.



Future roofing troubles and expense have here been eliminated by applying Johns-Manville Asbestos Shingles (Hexagonal Method) directly over the old wooden shingles.



Garden City Hotel on which Johns-Manville Asbestos Shingle
Shingles are just as good as ever and it looks as if the roof
it was re-roofed with Johns-Manville Asbestos Shingles over



lied over old wooden shingles 10 years ago. These Asbestos
st as long as the building stands. In other words, when
wooden shingles, it was re-roofed for the last time.

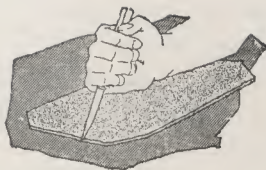


Johns-Manville Asbestos Shingles (Hexagonal Method) were here applied directly over the old wooden shingles, quickly, neatly, and without muss or annoyance



Added beauty as well as positive and enduring fire and weather protection obtained here by the application of Johns-Manville Asbestos Shingles (Hexagonal Method) directly over the old wooden shingles.

Scrape the surface of a Johns-Manville Asbestos Shingle. It has no protective film. It is the same dense, enduring material all the way through.



and now that this method of re-roofing is a demonstrated success beyond all question, it is more than ever desirable that you have your re-roofing done immediately.

Remember that it doesn't matter whether your old wooden shingles are on furring strips or on close sheathing for Johns-Manville Asbestos Shingles can go over them just the same.

Remember also, that should you have a roof covered with composition shingles such as are sometimes known as "Asphalt" Shingles and these have begun to give trouble, that our Asbestos Shingles can be laid over them just the same as over wooden shingles, with equal ease and advantage, provided the "Asphalt" Shingles were originally laid over solid sheathing.

And Johns-Manville Asbestos Shingles can be laid according to the American method, the trade term for the method usually followed in laying wooden shingles (see pages 12 and 13); or by the

Hexagonal method, as shown on the front cover.

How about Underwriters' approval you ask? They have given highest ratings to this method of re-roofing, after their exhaustive tests showed the real permanent protection from roof communicated fire which it assured; Class A to the American method and Class B to the Hexagonal. Both of these ratings earn base rates of insurance and consequent savings in premiums.

Don't forget the plight of the man who said that when it was raining, he could not fix his roof, and when it was not raining, his roof did not need fixing. Do not wait for your roof to go to pieces. Cover it now with fireproof, everlasting Johns-Manville Asbestos Shingles and forget it for the rest of your life.

The many sizes, shapes and colors in which Johns-Manville Asbestos Shingles are made give you an opportunity to choose just the roofing effect you desire—soft red, gray and brown or the distinctive color combinations of a Johns-Manville Colorblende roof, offer you the widest choice in selecting the roofing effect that will add beauty, color and dignity to your home.

The Story of Asbestos

ASBESTOS SHINGLES have proven such an ideal roofing that a few words regarding the fire-proof mineral, Asbestos itself, might be of interest.

Within hardly more than one man's life time, Asbestos has been taken from among those curios that merely astonish or amuse us by their unusualness and, by reason of its peculiar properties, has been adapted to the service of industry



For centuries Asbestos was in the freak class.

in upwards of a thousand different ways.

For centuries Asbestos was in the freak class. It apparently upsets many of the laws of nature. It is a nugget of rock—as heavy and dense as marble, yet upon examination it is found to be composed of silky fibres which can be carded, spun and woven as easily as wool, flax, or silk. To look at a handful of Asbestos one would believe that it would blaze up at the touch of a lighted match yet it resists high temperatures with no apparent change in its structure. So little has Asbestos been affected by the influence of time that for untold centuries it has remained in exactly the same state as it is found today. In fact, one of the most valuable properties of this mineral is its indestructibility which enables it to resist all the forces of disintegration, heat, cold, fire and moisture. This is the quality which renders it particularly useful as a roofing material. Wood burns; other organic materials not only burn but disintegrate rapidly under action of the elements. Asbestos is unchanged by flame or temperatures up to 1500° F. Steel and iron rust; Asbestos is entirely immune to

All the forces
of Nature seem
powerless to de-
stroy Asbestos.



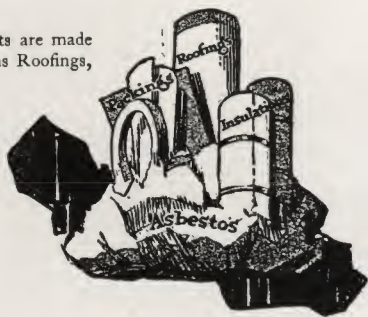
climatic or atmospheric conditions which
will destroy a sheet of iron.

Therefore, as a roofing material it
is ideal. Johns-Manville Roll Roofings
of Asbestos felts are also impervious to
rot and decay and of course tremen-
dously reduce the fire hazard. The
Asbestos Shingle is probably the most
permanent roofing material that is
known today. Composed as it is of
Asbestos fibres and Portland cement,
formed under terrific hydraulic pres-
sure, it constitutes a roofing which is
practically impervious to all the agents
of destruction. Fire has no effect upon
it. You can put a Johns - Manville
Asbestos Shingle in a furnace and draw

it out unharmed. Rot is powerless against it; you can bury an Asbestos Shingle in the ground and in ten years take it out and it will be tougher than ever. The action of sun, rain, ice, snow or sleet has no effect upon it. The acid fumes belched forth by the chimneys of many industrial plants have little effect upon the material of the shingle itself. In damp climates, under trees, where most roofings go to pieces in a short time Asbestos Shingles are as enduring as elsewhere.

This latest method of applying Johns-Manville Asbestos Shingles over old wooden shingles makes them in all respects the most economical roofing you can buy. For even where the first

Many useful products are made of Asbestos—such as Roofings, Packings, Insulations, Asbestos Wood, etc.



cost is slightly higher than for some temporary materials, it is the only cost. Once the re-roofing has been done, the job is finished for as long as the building stands.

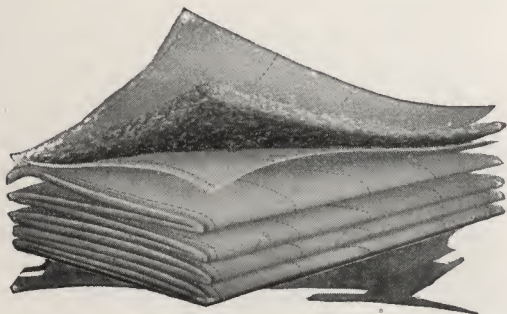
We demonstrated the practicability of re-roofing directly over old wooden shingles on hundreds of buildings of all types and under all climatic conditions, before suggesting this construction to you.

The experimental stage has long been passed. Any good slater or carpenter can do the work. It remains only for you to benefit by this development. If you need to re-roof do it now and do it for the last time.

Ask for estimates and full particulars from the dealer whose name is imprinted on the front cover of this booklet. Or, if none is shown, write to the nearest Johns-Manville branch, listed on page 23, for the name of your dealer.

RE-ROOF FOR THE LAST TIME

Johns-Manville Keystone Hair Insulator



An Investment in Health Comfort and Economy

Every present and prospective house owner should fully understand the comfort, health and economy of a building insulation—insulation that not only makes his home warmer in winter, cooler in summer and quieter all the time, but which often more than pays for itself through the fuel savings it effects during the first two winters.

The efficiency and durability of Johns-Manville Keystone Hair Insulator, in walls, floors, ceilings and on the roof deck, assures these practical advantages to the user and in addition greatly enhances the value of his building.

Johns-Manville Keystone Hair Insulator effectively insulates against heat, cold, dampness and

sound in homes, apartment houses, office, school, and hospital buildings, Y. M. C. A.'s, music studios, poultry houses, barns, garages, etc. &

It consists of a heavy layer of thoroughly cleansed cattle hair securely fastened between two sheets of protective paper, carefully chosen to meet the conditions of service under which it is to be used.

It is vermin-proof and odorless; designed so as not to dry out, pack down or rot and will not carry flame. Light in weight and easy to apply. Packed in bales 3 feet wide, containing 500 square feet, with edges bound and bevelled.

Send for catalog containing full description of various brands, detailed drawings showing suggestions for application and other information valuable to the house owner.

JOHNS-MANVILLE

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Other Johns-Manville Roofings and Building Materials

FLEXSTONE ASBESTOS SHINGLES

In two types: strip shingles (4 to the strip, 32" x 10") and rectangular individual shingles, size 8" x 12 $\frac{3}{4}$ ". Made of asbestos felt with a surfacing of crushed red, green or blue-black slate.

ASBESTOS READY-TO-LAY ROOFINGS

Flexstone Brand, in various weight and finishes; for sloping roof decks.

ASBESTOS BUILT-UP ROOFING

For flat and moderately pitched decks.

ASBESTOS PROTECTED METAL ROOFING AND SIDING (CORRUGATED OR FLAT)

For application directly over purlins on skeleton frame construction. Made of a core of sheet steel protected with layers of asphalt and asbestos felt.

TRANSITE CORRUGATED ASBESTOS ROOFING AND SIDING

For application directly over purlins on skeleton frame construction. Made of Asbestos fibres and Portland cement united under hydraulic pressure.

RAG-FELT READY-TO-LAY ROOFINGS

Regal, Pilot and Slatekote brands; for sloped decks on inexpensive buildings.

REGAL ROOF COATING

For restoring and preserving tin, rag-felt or composition roofings. Made in black and colors.

ASBESTOS ROOF PUTTY

For repairing cracks, joints, nail holes, etc., in all types of roofing. Made in black and gray.

ASBESTOS FIBROUS ENAMEL

An all-mineral protective coating for inside and outside structural iron work and a superior roof coating. Made in black and red.

TRANSITE ASBESTOS WOOD (Flat)

For fireproof construction of partitions, ceilings, siding, roofing, etc.

INDUSTRIAL FLOORING

A tough, elastic, monolithic flooring for practically all conditions.